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L1: (182117) disk adj1 drive L2: (2987) write with read with offset L3: (16663) pitch with track L4: (4170) servo adj1 track L5: (1066) burst adj1 pattern L6: (9076) head adj1 slider L7: (23) 1 same 2 same 3													
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A Status A Location PS Name PS Iss PS Hdr													
1	2	Document ID	Issue Date	Pages	Title	Current OR	Current IRef	Retrieval C	Inventor				
1	<input checked="" type="checkbox"/>	US 20050122609 A1	20050609	16	Data storage device and servo information writing	360/48	360/76		Saikawa, Manabu et al.				
2	<input checked="" type="checkbox"/>	US 20040136109 A1	20040715		Apparatus and method for positioning head at target	360/78.04	360/78.14		Kusunoto, Tatsuharu et al.				
3	<input checked="" type="checkbox"/>	US 20040080859 A1	20040429		Enhanced MR offset with dynamic tuning range	360/77.02	360/77.06; 360/77.07		Teo, SongWee et al.				
4	<input checked="" type="checkbox"/>	US 20040057151 A1	20040325		Data storage device and servo information writing	360/77.08	360/48; 360/78.04		Saikawa, Manabu et al.				
5	<input checked="" type="checkbox"/>	US 20030026036 A1	20030206		In-situ linearization of magnetic read/write head	360/77.08			Chew, Kok-Kia				
6	<input checked="" type="checkbox"/>	US 20030002197 A1	20030102		Optimal reader-to-writer offset measurement of a head	360/76	360/31; 360/53;		Seng, Edmun Chian Song et al.				
7	<input checked="" type="checkbox"/>	US 20020176199 A1	20021128		Track pitch control using head offset measurement for	360/75	360/76		Gomez, Kevin Arthur et al.				
8	<input checked="" type="checkbox"/>	US 20020085305 A1	20020704		Method and apparatus for disk drive seek control	360/78.14			Asano, Hideo et al.				
9	<input checked="" type="checkbox"/>	US 6873468 B2	20050329		Enhanced MR offset with dynamic tuning range	360/77.06	360/31; 360/76		Teo, SongWee et al.				
10	<input checked="" type="checkbox"/>	US 6765744 B2	20040720		Track pitch control using head offset measurement for	360/75			Gomez, Kevin Arthur et al.				
11	<input checked="" type="checkbox"/>	US 6754030 B2	20040622		Optimal reader-to-writer offset measurement of a head	360/76	360/31; 360/53;		Seng, Edmun Chian Song et al.				
12	<input checked="" type="checkbox"/>	US 6700731 B2	20040302		In-situ linearization of magnetic read/write head	360/77.08	360/77.04		Chew, Kok-Kia				
13	<input checked="" type="checkbox"/>	US 6690538 B1	20040210		Disk drive device and access sequence therefor	360/78.08			Saito, Tomoaki et al.				
14	<input checked="" type="checkbox"/>	US 6597530 B2	20030722		Method and apparatus for disk drive seek control	360/78.14	360/77.04		Asano, Hideo et al.				
15	<input checked="" type="checkbox"/>	US 6519107 B1	20030211		Hard disk drive having self-written servo burst	360/75			Shrlich, Richard M. et al.				
16	<input checked="" type="checkbox"/>	US 6456451 B1	20020924		Method and apparatus for disk drive seek control	360/77.04	360/75; 360/77.08;		Asano, Hideo et al.				
17	<input checked="" type="checkbox"/>	US 6025971 A	20000215		Magnetic disk drive using a nonvolatile solid state	360/77.08	360/48; 360/53		Inoue, Tetsuo et al.				
18	<input checked="" type="checkbox"/>	US 5796543 A	19980818		Data track pattern including embedded servo sectors for	360/77.08	360/48		Ton-That, Luan				
19	<input checked="" type="checkbox"/>	US 5786957 A	19980728		Magnetic disk device using	360/77.08			Inoue, Tetsuo et al.				

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6	P	P	US 20030002197 A1	20030102		Optimal reader-to-writer offset measurement of a head	360/76	360/31; 360/53;		Seng, Edmun Chian Song et al.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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	Q	1	Document ID	Issue Date	Pages	Title	Current US	Current KR	Retrieval C	Inventor	S	C	P	T	A
1	P	US 20050122608	20050609	16	A1	Data storage device and servo information writing	360/48	360/75		Saikawa, Manabu et al.					
2	P	US 20050078402	20050414		A1	Using a mechanical stop for determining an operating	360/75			Khoo, Eikfun et al.					
3	P	US 20050073770	20050407	45	A1	Systems and methods for repairable servo burst	360/75	360/77.04; 360/77.08		Shrlich, Richard M. et al.					
4	P	US 20050068658	20050331	12	A1	METHOD FOR SELF-SERVO SELF-WRITING A DISK DRIVE	360/75	360/78.04		Yamamoto, Satoshi					
5	P	US 20050068657	20050331	12	A1	Servo self-write disk drive with dual-stage actuator	360/75	360/31		Yamamoto, Satoshi					
6	P	US 20050007702	20050113		A1	Method and apparatus reducing off track head	360/245			Oh, Dong-Ho et al.					
7	P	US 20050007701	20050113		A1	Method and apparatus reducing off-track head	360/245			Oh, Dong-Ho et al.					
8	P	US 20050007689	20050113		A1	Method and apparatus reducing off track head	360/77.02	360/78.04; 360/78.12		Oh, Dong-Ho et al.					
9	P	US 20050002121	20050106		A1	Method and apparatus for writing with head having	360/75	360/53		Allen, Gregory M. et al.					
10	P	US 20040201914	20041014	19	A1	Servo information write method, data storage device,	360/75			Ikeda, Masaomi et al.					
11	P	US 20040145825	20040729		A1	Methods and apparatus for writing servo frames to	360/53	360/48; 360/75		Miles, Michael Alan					
12	P	US 20040136109	20040715	20	A1	Apparatus and method for positioning head at target	360/78.04	360/78.14		Kusumoto, Tatsuharu et al.					
13	P	US 20040125491	20040701	31	A1	Servo information write method, servo control	360/75	360/48; 360/51		Iseri, Kaoru et al.					
14	P	US 20040057151	20040325	16	A1	Data storage device and servo information writing	360/77.08	360/48; 360/78.04		Saikawa, Manabu et al.					
15	P	US 20040004783	20040108		A1	Head position control method, disk device, and	360/75	360/77.02; 360/77.04		Takaishi, Kazuhiko et al.					
16	P	US 20030197969	20031023	11	A1	Controlling low frequency track shape errors in hard	360/77.08	360/75		Szita, Gabor et al.					
17	P	US 20030026036	20030206	15	A1	In-situ linearization of magnetic read/write head	360/77.08			Chew, Kok-Kia					
18	P	US 20020196576	20021226	18	A1	Burst position error data write method and magnetic	360/77.07	360/48; 360/51		Hirano, Masakazu et al.					

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U	I	Document ID	Issue Date	Pages	Title	Current US	Current UK	Retrieval C	Inventor	A	C
19	P	US 20020176199 A1	20021128	27	Track pitch control using head offset measurement for magnetic disk drive	360/75	360/76		Gomez, Kevin Arthur et al.		
20	P	US 20020131188 A1	20020919			360/31	360/48		Hamaguchi, Takehiko et al.		
21	P	US 20020105751 A1	20020808		Magnetic disk apparatus and servo signal recording	360/78.04	360/75		Yasuna, Kei et al.		
22	P	US 20020101672 A1	20020801		Method for storage of self-servowriting timing	360/51	360/48		Chainer, Timothy J. et al.		
23	P	US 20020071198 A1	20020613		Method to achieve higher track density by allowing	360/77.02	360/63		Liu, Xiong et al.		
24	P	US 20020067567 A1	20020606	26	Correction of dynamic track spacing errors in storage	360/77.04	360/77.08		Szita, Gabor		
25	P	US 20020050814 A1	20020502		Testing apparatus and method for testing magnetic head	324/210	324/212		Nezu, Takashi		
26	P	US 20020039247 A1	20020404		Track pitch correction method and apparatus	360/76	360/77.02		Bi, Qiang et al.		
27	P	US 20020036860 A1	20020328	21	Method for linearizing microactuator hysteresis for	360/77.05	360/75		Bi, Qiang et al.		
28	P	US 20020036858 A1	20020328		Writing servo sectors to a disc drive using offset	360/75	360/78.04		Bi, Qiang et al.		
29	P	US 20010040752 A1	20011115	19	Servo track writing using extended copying with head	360/77.04	360/77.08		Szita, Gabor et al.		
30	P	US 20010033447 A1	20011025	9	Method and apparatus for writing clock data to a	360/48	360/51		Miles, Michael A.		
31	P	US 20010022702 A1	20010920		Head position control method for a disk device and the	360/77.02	360/63		Takaishi, Kazuhiko et al.		
32	P	US 20010009484 A1	20010726		Methods and systems for self-servowriting including	360/75	360/48		Chainer, Timothy J. et al.		
33	P	US 20010000302 A1	20010419	38	Servo information writing method and storage device	360/31	360/53		Sasamoto, Tatsuro et al.		
34	P	US 6888696 B2	20050503		Magnetic disk apparatus and servo signal recording	360/78.04	360/77.02		Yasuna, Kei et al.		
35	P	US 6819519 B2	20041116		Head position control method for a disk device and the	360/77.02	360/63		Takaishi, Kazuhiko et al.		
36	P	US 6783084 B2	20040831	25	Correction of dynamic track spacing errors in storage	360/77.04	360/77.08		Szita, Gabor		
37	P	US 6765744 B2	20040720	26	Track pitch control using head offset measurement for	360/75			Gomez, Kevin Arthur et al.		
38	P	US 6765737 B1	20040720		Variable track densities on a recording medium to	360/48	360/77.04		Lim, Choonklat et al.		
39	P	US 6760184 B1	20040706	26	Compact servo pattern optimized for M-R heads	360/77.08			Cunningham, Earl Albert		
40	P	US 6751042 B2	20040615		Track pitch correction method and apparatus	360/77.02	360/75		Bi, Qiang et al.		
41	P	US 6735031 B2	20040511		Method for storage of self-servowriting timing	360/51	360/48		Chainer, Timothy J. et al.		
42	P	US 6717760 B2	20040406		Magnetic disk drive	360/31	360/46		Hamaguchi, Takehiko et al.		
43	P	US 6714369 B2	20040330	8	Method and apparatus for	360/51	360/75		Miles, Michael A.		

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		Document ID	Issue Date	Pages	Title	Current OR	Current OR#	Retrieval C	Inventor		
43	P	US 6714369 B2	20040330	9	Method and apparatus for writing clock data to a	360/51	360/75; 360/76		Miles; Michael A.		
44	P	US 6700731 B2	20040302	15	In-situ linearization of magnetic read/write head	360/77.08	360/77.04		Chew; Kok-Kia		
45	P	US 6700730 B1	20040302	13	Method of using an integral parameter for correct	360/77.04	360/78.09		Ohzeki; Hideki et al.		
46	P	US 6696831 B2	20040224		Testing apparatus and method for testing magnetic head	324/210	324/212		Nozui; Takashi		
47	P	US 6693763 B2	20040217	20	Method for linearizing microactuator hysteresis for	360/77.05	360/75; 360/78.09		Bi; Qiang et al.		
48	P	US 6693760 B1	20040217	16	Preamplifier circuit configurable to allow	360/75	360/51; 360/67		Krounbi; Mohamed T. et al.		
49	P	US 6643082 B1	20031104		Servo sector format for a patterned media	360/48	360/51; 360/77.08		Belser; Karl A.		
50	P	US 6633451 B1	20031014		Self-servo-writing timing pattern generation with	360/75			Chainer; Timothy J. et al.		
51	P	US 6631046 B2	20031007	18	Servo track writing using extended copying with head	360/75	360/51; 360/77.07		Szita; Gabor et al.		
52	P	US 6611396 B1	20030826		Disk level servo write	360/77.04			Kermiche; Noureddine et al.		
53	P	US 6600620 B1	20030729	17	Self-servo writing a disk drive by propagating	360/75	360/51		Krounbi; Mohamed T. et al.		
54	P	US 6522488 B2	20030218	37	Servo information writing method and storage device	360/31	360/51; 360/53		Sasamoto; Tatsuro et al.		
55	P	US 6519107 B1	20030211	21	Hard disk drive having self-written servo burst	360/75			Shrlich; Richard M. et al.		
56	P	US 6510017 B1	20030121		Calibration of reader/writer offset in a disc drive	360/77.04			Abdelnour; Ghassan M.		
57	P	US 6469859 B1	20021022	21	Method and system for accurate self-servowriting	360/75			Chainer; Timothy et al.		
58	P	US 6429989 B1	20020806		Method for self-servowriting timing propagation	360/51	360/77.08; 360/78.14		Schultz; Mark D. et al.		
59	P	US 6369974 B1	20020409	28	Disk drive with method of constructing a continuous	360/78.14	360/75		Asgari; Saeed et al.		
60	P	US 6359749 B1	20020319	10	Dual element head with radial offset optimized for	360/121			Fukushima; Craig N.		
61	P	US 6344942 B1	20020205	21	Method and apparatus for absolute track spacing	360/75	360/78.04		Yarmchuk; Edward John		
62	P	US 6320718 B1	20011120		Disk drive with zero read offset in reserved area and	360/77.04	360/77.08		Bouwkamp; Timothy D. et al.		
63	P	US 6301071 B1	20011009		Methods and systems for self-servowriting including	360/75			Chainer; Timothy Joseph et al.		
64	P	US 6292320 B1	20010918		Disk drive with dual stage actuator radial offset	360/63	360/76; 360/77.04		Mason; Jeffrey E. et al.		
65	P	US 6275350 B1	20010814		Magnetic head and method for compensating for magnetic	360/77.12	360/121		Barndt; Richard D.		
66	P	US 6249399 B1	20010619		Methods and systems for self-servowriting including	360/75			Chainer; Timothy Joseph et al.		
67	P	US 6243223 B1	20010605	17	Disk drive with servo burst	360/77.08	360/77.02		Killip; Timothy J. et al.		
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		Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor		
85	P	US 5796543 A	19980818	20	Data track pattern including embedded servo sectors for	360/77.08	360/48		Ton-That, Luan		
86	P	US 5796542 A	19980818		Servo track writer system having a plurality of	360/77.02	360/75; 360/98.02;		Szeremeta, Wally		
87	P	US 5793555 A	19980811		Seek optimization for disk files with side-by-side head	360/75	360/61; 360/62;		Belser, Karl Arnold et al.		
88	P	US 5793554 A	19980811	18	Self-servowriting system with dynamic error	360/75	360/77.08		Chainer, Timothy et al.		
89	P	US 5781360 A	19980714		Method and apparatus for detecting data track	360/77.08	360/77.02; 360/77.04		Wilson, Rosser S. et al.		
90	P	US 5757574 A	19980526		Methods and systems for self-servowriting including	360/75	360/77.08		Chainer, Timothy Joseph et al.		
91	P	US 5682274 A	19971028		Method and apparatus for positioning transducers to	360/77.04	360/77.08		Brown, Dana Henry et al.		
92	P	US 5659436 A	19970819	32	Radial self propagation pattern generation for disk	360/75	360/77.08		Yarmchuk, Edward John et al.		
93	P	US 5612833 A	19970318	31	Radial self-propagation pattern generation for disk	360/75	360/29		Yarmchuk, Edward J. et al.		
94	P	US 5587850 A	19961224	20	Data track pattern including embedded servo sectors for	360/77.08	360/77.06		Ton-That, Luan		
95	P	US 5500776 A	19960319		Self-calibration for computer disk read/write	360/77.04	360/76; 360/77.08		Smith, Robert F.		
96	P	US 5446600 A	19950829		Electronically alignable flexible disk drive	360/46			Galloway, Gregory M. et al.		
97	P	US 5381281 A	19950110	19	Disk drive system using multiple embedded quadrature	360/77.08			Shrinkle, Louis J. et al.		
98	P	US 5333084 A	19940726		Electronically alignable flexible disk drive	360/77.07	360/69; 360/77.02;		Galloway, Gregory M. et al.		
99	P	US 5321570 A	19940614		Systems using superimposed, orthogonal buried servo	360/121	360/77.07; 360/77.12		Behr, Michael I. et al.		
100	P	US 5293281 A	19940308		Method of reading and writing data transitions on	360/77.07	360/76; 360/77.12		Behr, Michael I. et al.		
101	P	US 5270886 A	19931214	17	Two motor servo system for a removable disk drive	360/78.05	360/77.03; 360/78.11;		Nigam, Anil K.		
102	P	US 5223994 A	19930629		System using superimposed, orthogonal buried servo	360/77.12	360/77.07		Behr, Michael I. et al.		
103	P	US 5132861 A	19920721		Systems using superimposed, orthogonal buried servo	360/121	360/77.07; 360/77.12		Behr, Michael I. et al.		
104	P	US 4739239 A	19890419		Bipolar motor control	318/685	318/567; 318/696;		Krause, James N. et al.		
105	P	US 4669004 A	19870526	39	High capacity disk file with embedded sector servo	360/53	360/73.03; 360/77.08;		Moon, Ronald R. et al.		
106	P	US 4578786 A	19860325		Track pitch calibration system for use in optical	369/44.26	347/248; 369/111;		McIntosh, Robert et al.		
107	P	US 4577301 A	19860318		Track pitch calibration error reduction	369/44.31	369/111; 369/275.3;		Mathews, Harlan P. et al.		
108	P	US 4371902 A	19830201	7	Disk initialization method	360/75	360/77.03; 360/77.08		Baxter, Duane W. et al.		

